



Glenn Research Center



# Microgravity Combustion Findings

- ◆ Major differences between 1-g and microgravity flames
- ◆ Totally new phenomena have been observed
- ◆ Flammability limits may be different (lower) than in 1-g
- ◆ Different structures in gas jet diffusion flames
- ◆ Soot formation is enhanced
- ◆ Radiative heat loss, heat reabsorption, and radiative feedback effects are more easily observed